

(12) United States Patent Hisayuki et al.

(54) DEVICE FOR DRAWING TUBULAR WORKPIECE

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(57)ABSTRACT

A device 10 for drawing a tubular workpiece is provided with a drawing die 20 and a drawing plug 30. The drawing die 20 includes a first curved surface section 1C from which the workpiece 40 is detached while being reduced in diameter, a die bearing section 2B arranged radially inward of and downstream of a workpiece separation point K of the first curved surface section 1C, and a guide section 2D having a second curved surface section 2C which smoothly continues to an upstream end of the die bearing section 2B and configured to again come into contact with the workpiece 40 detached from the first curved bearing section 1C to guide the workpiece to the die bearing section 2B while reducing a diameter of the workpiece 40. The drawing plug 30 has a plug bearing section 3B shorter than a length L4 of the die bearing section 2B. The plug bearing section 3B is arranged at a position corresponding to the die bearing section 2B.

27 Claims, 5 Drawing Sheets

